

Dean L. Engelhardt, et al.

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Page 2 (Response To The May 30, 2001 Notice of Non-Compliant Amendment  
(37 CFR 1.121) For Entry of Applicants' March 9, 2001 Amendment Under  
37 C.F.R. § 1.115 (In Response To The January 30, 2001 Office Action) -  
June 7, 2001]

# 621X  
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**KINDLY AMEND THIS APPLICATION AS FOLLOWS:**

**In The Title:**

~~Change the title of the invention to:~~

-- NUCLEIC ACID SEQUENCING PROCESSES USING NON-RADIOACTIVE  
DETECTABLE MODIFIED OR LABELED NUCLEOTIDES OR NUCLEOTIDE  
ANALOGS, AND OTHER PROCESSES FOR NUCLEIC ACID DETECTION AND  
CHROMOSOMAL CHARACTERIZATION USING SUCH NON-RADIOACTIVE  
DETECTABLE MODIFIED OR LABELED NUCLEOTIDES OR NUCLEOTIDE  
ANALOGS -- .

**In The Abstract Of The Disclosure:**

Replace the former ~~Abstract~~ of the Disclosure with the replacement Abstract of the  
Disclosure attached hereto as Exhibit 1.

**In The Claims:**

Please enter replacement claims 569, 586, 587, 588, 600, 601, 602, 624, 713,  
714, 716, 719, 720, 721, 738, 739, 740, 752, 753, 776, 859, 866, 868, 871,  
872, 873, 890, 891, 892, 904, 905, 906, 928, 1011, 1012, 1017, 1018, 1020,  
1023, 1024, 1025, 1042, 1043, 1044, 1056, 1057, 1058, 1164, 1169, 1170,  
1172, 1175, 1176, 1177, 1281, 1291, 1297, 1298, 1340, 1349, 1405, 1409,  
1411, 1430, 1432, 1434, 1435, 1448, 1468, 1471, 1473, 1474, 1475, 1476,  
1499, 1507, 1565, 1566, 1570, 1582, 1608, 1624, 1628, 1632, 1639, 1647,  
1686, 1687, 1688, 1696, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706,  
1707, 1708, 1709, 1710, 1711, 1712, 1725 and 1726 as follows: